IN THE CLAIMS

Claims 1-17 (Canceled)

18. (New) A computer system comprising:

a plurality of computers, each of which comprises a memory unit having a boot-up control program; and

a storage system comprising at least one logical unit and a plurality of interface control circuits coupled to said plurality of computers,

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wherein each of said plurality of computers is arranged to execute a boot-up control program, detect at least one available logical unit in said storage system, and execute a boot-up process of an OS stored in a detected logical unit.

19. (New) A computer system according to claim 18,

wherein each of said plurality of computers is arranged to make a detected logical unit containing an OS emulate an internally built-in disk unit by executing the boot-up control program.

20. (New) A computer system according to claim 19,

wherein each of said plurality of computers is coupled to said storage system via a Fibre Channel network,

said storage system comprises a plurality of logical units each of which is associated with an internal LUN used in said storage system for identifying the logical unit and with a virtual LUN used by one of said plurality of computers for identifying a logical unit which can be accessed from the computer,

and each of said plurality of computers uses a predetermined virtual LUN to specify a detected logical unit containing an OS.

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21. (New) A computer system according to claim 20, wherein said predetermined virtual LUN is 0.

22. (New) A computer system according to claim 20, wherein said storage system further comprises a LUN management table designating mutual correspondences among an internal LUN, a virtual LUN, and a computer using the virtual LUN.

23. (New) A computer system according to claim 18, wherein each of said plurality of computers is arranged to load an application program stored in a detected

logical unit to a memory unit of the computer and execute the application program.

24. (New) A computer system according to claim 18,

wherein said storage system comprises a plurality of logical units including a shared logical unit accessed from said plurality of computers and a private logical unit accessed only from a specified one of said plurality of computers, and

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each of said plurality of computers is arranged to execute a boot-up process of an OS stored in a detected shared logical unit using setting information stored in a detected private logical unit.

25. (New) A computer system according to claim 24,

wherein said storage system further comprises a LUN management table designating mutual correspondences between a logical unit and a computer which can access the logical unit.

26. (New) A computer system according to claim 25,

further comprising a management console coupled to said plurality of computers and said storage system,

wherein said management console is arranged to set an attribute of "privileged" to a logical unit in said storage system, a privileged logical unit being accessible only from said management console, and wherein said management console is arranged to back up data stored in a privileged logical unit to a backup device.

27. (New) A computer system according to claim 25,

further comprising a management console coupled to said plurality of computers and said storage system,

wherein said management console is arranged to set an attribute of "privileged" to a logical unit in said storage system, a privileged logical unit being accessible only from said management console, and wherein said management console is arranged to install a program in a privileged logical unit.

28. (New) A computer system according to claim 24,

wherein said storage system comprises a cache memory unit, and said cache memory unit us arranged to hold for transfer data stored in a shared logical unit preferentially to data stored in a private logical unit.

29. (New) A computer system comprising:

a plurality of computers each of which comprises a memory unit having a boot-up control program and a user management program; and

a storage system comprising a plurality of logical units and a plurality of interface control circuits, each of said interface control circuits being coupled to one of said plurality of computers,

wherein each of said plurality of computers is arranged to receive an inputted user name, execute a boot-up control program, detect at least one available logical unit according to the inputted user name, and execute a boot-up process of an OS stored in a detected logical unit.

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30. (New) A computer system according to claim 29,

further comprising a management console coupled to said plurality of computers and said storage system, said management console having a user LUN management table designating mutual correspondences between a user name and a logical unit which can be accessed by using the corresponding user name,

wherein said storage system comprises a LUN management table designating mutual correspondences between a

logical unit and a computer which can access the corresponding logical unit,

said management console is arranged to receive a user name inputted to a computer and an address of the computer from the computer, confirm a logical unit which can be accessed by using the received user name by referring to said user LUN management table, and register an ID of the computer corresponding to the received address in said LUN management table in said storage system to make the ID of the computer correspond to the confirmed logical unit.

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31. (New) A computer system according to claim 30,

wherein each of said plurality of computers is arranged to detect a logical unit which is registered in said LUN management table with a correspondence to an ID of the detecting computer.

32. (New) A computer system according to claim 29,

wherein each of said plurality of computers comprises a user LUN management table stored in the memory unit, the user LUN management table designating mutual correspondences between a user name and a logical unit which can be accessed by using the corresponding user name,

said storage system comprises a LUN management table designating mutual correspondences between a logical unit and a computer which can access the logical unit,

each of said plurality of computers is arranged to confirm a logical unit which can be accessed by using the inputted user name by referring to the user LUN management table, register an ID of the computer in said LUN management table in said storage system to make the ID correspond to the confirmed logical unit, and detect an available logical unit which is registered in said LUN management table with a correspondence to an ID of the detecting computer.

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33. (New) A computer system according to claim 30,

wherein each of said plurality of computers comprises WWN information stored in the memory unit, which designates a correspondence between the WWN and a user name, each computer being arranged to convert the inputted user name to a WWN based on the WWN information, and to detect an available logical unit by using the WWN.

34. (New) A computer system according to claim 33,

wherein said storage system comprises a LUN management table designating mutual correspondences between a

WWN and a logical unit which can be accessed by using the WWN, and

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